

PRIORITY LIST SITE-BUILT HOMES

GENERAL HEAT WASTE (GHW) MEASURES

The following GHW measures are pre-approved for each home and should be installed in every Weatherization job unless circumstances, as documented in the WAP assessment, prohibit their use. (\$250 cost limit.)

1	DHW Pipe Insulation Insulate the first 6 feet of both hot- and cold-water pipes. Cover elbows, unions and other fittings to same thickness as pipe. Pipe insulation must remain 3 inches from gas water heater vent.
2	DHW Tank Insulation Insulate to at least R-11 with an external fiberglass-type insulation blanket unless water-heater label gives specific instructions <i>not</i> to insulate or the water heater is already insulated with an external blanket. Insulation must not obstruct the draft diverter, pressure relief valve, thermostats, hi-limit switch, plumbing pipes, or element/thermostat access plates. Keep insulation at least 2 inches away from the burner or gas valve. Do not insulate the tops of gas- or oil-fired water heaters. Pressure & temperature relief valve and safety discharge pipe – Install a pressure-and-temperature relief valve and a safety discharge pipe if none exists. Temperature and pressure relief valve discharge tube will be installed in accordance with P2803.6.1 of the 2012 International Residential Code (IRC). Temperature Setting – Electrical – Set both upper and lower thermostat to keep water at 120 ⁰ F before insulating the water heater.
3	Faucet Aerators
4	HVAC System Filters
5	Lighting Retrofits
6	Low-Flow Showerheads

ALLOWABLE INCIDENTAL REPAIR COSTS

Air Sealing	\$76.00
Attic, Kneewall Insulation	\$460.00
Duct Insulation	\$56.00
Duct Sealing	\$145.00
Wall Insulation	\$475.00
Floor Insulation	\$267.00

Total Allowable Incidental Repair Cost for each home - \$600 *

* If not all measures are installed, then the maximum allowed IR cost for that job cannot exceed the total of the allowed IR costs for each of the measures installed. For example, if the only measures installed in a home are Air Sealing, Duct Sealing and Floor Insulation, then the maximum allowable IR cost for that home is \$76 + \$145 + \$267 = \$488.

PRIORITY LIST - SC WAP SINGLE-FAMILY HOMES

This Priority List of Measures applies to single-family homes possessing the following dwelling characteristics:

- a) **Single story or two story dwelling on a slab, crawlspace or basement;**
- b) **Wood frame (platform/balloon) or Masonry (stone/concrete block); and**
- c) **Heated by electricity, natural gas or propane.**

If a single-family home does not fall into one of these categories, a house-specific NEAT audit is required, as it does not fall into the “typical” housing stock in South Carolina.

The South Carolina Priority List of measures for single-family homes is as follows. These measures are to be installed in the order listed below, from top to bottom. Measures **shall not be skipped** unless a particular measure is not appropriate for the specific house.

1	AIR SEALING
2	ATTIC INSULATION R-30 (Ceiling) & R-18 (Kneewall)
3	DUCT INSULATION
4	DUCT SEALING
5	WALL INSULATION
6	FLOOR INSULATION

1 AIR SEALING

Perform building enclosure air sealing. Priority should be given to air leakage at the attic and floor planes of the home. Use the following chart to guide air sealing procedures.

Primary Space Heating Fuel	Price per 100 CFM₅₀ Reduction
Electric Heat Pump	\$35
Natural Gas	\$45
Electric Strip Heat	\$66
Propane	\$70

Maximum Incidental Repair Cost - \$76.00

2 ATTIC INSULATION – R-30 (Ceiling) & R-18 (Kneewall)

Insulate all uninsulated and/or under-insulated attic spaces to an effective R-30. Attic spaces with R-11 or less should be insulated to R-30. Attic spaces with R-12 or more insulation coverage should not receive additional insulation. Install R-18 for attic-side kneewall.

Existing Attic	Add
No Insulation	R-30
R-11 or less	equal to R-30
R-12 or more	No additional insulation

Maximum Incidental Repair Cost - \$460.00

3 DUCT INSULATION

Insulate ducts if ductwork is located in the unconditioned attic or uninsulated foundation spaces. Duct insulation will be a minimum of R-8 or buried under attic insulation, whichever is greater.

Maximum Incidental Cost - \$56.00

4 DUCT SEALING

Use the following chart to guide maximum DOE duct sealing expenditures. Must use UL approved mastic to seal ducts and registers. Seal ducts in unconditioned areas of the home to 1 Pascal or less per register using pressure pan testing to evaluate duct leakage.

Maximum Incidental Cost - \$145.00

Duct Sealing: Price to Seal Each Register to 1 Pascal (Maximum WAP Expenditures)									
Starting Pressure Pan Total (cumulative)	Electric Heat Pump			Natural Gas			Propane		
	Cola	Charles	Gville	Cola	Charles	Gville	Cola	Charles	Gville
50	\$430	\$464	\$430	\$619	\$567	\$567	\$950	\$782	\$731
45	\$418	\$410	\$418	\$592	\$547	\$547	\$904	\$744	\$710
40	\$363	\$386	\$363	\$554	\$475	\$475	\$785	\$646	\$617
35	\$336	\$327	\$336	\$470	\$436	\$436	\$714	\$588	\$571
30	\$276	\$289	\$276	\$414	\$386	\$386	\$625	\$515	\$469
25	\$234	\$234	\$234	\$345	\$302	\$302	\$520	\$428	\$397
20	\$182	\$175	\$169	\$265	\$234	\$234	\$397	\$327	\$309
15	\$112	\$108	\$104	\$163	\$144	\$144	\$255	\$201	\$190
10	\$30	\$27	\$30	\$36	\$36	\$36	\$56	\$46	\$57

5 WALL INSULATION

Install insulation (dense-packed) in existing uninsulated exterior walls. If existing insulation is present, do not add insulation.

Maximum Incidental Repair Cost - \$475.00

6 FLOOR INSULATION – R-19

Install insulation (R-19) for existing uninsulated floors located in uninsulated foundation spaces. If existing floor insulation is present, do not add insulation.

Maximum Incidental Repair Cost - \$267.00

Optional Measures (NEAT audit not required)

- Refrigerator Replacement – (Allowed with NEAT or Metering; must have SIR greater/equal to 1)
- Setback Thermostat

Allowable with NEAT Audit

- HVAC System Replacement
- Domestic Hot Water Heater Replacement